

What is claimed is

1. A composition, in particular a pulverulent masterbatch, comprising at least one nanoclay composed of a swellable inorganic layered material which has been modified by at least one siloxane component and by at least one non-anionic organic component which has at least one aliphatic or cyclic radical having from 6 to 32 carbon atoms.
2. The composition as claimed in claim 1, characterized in that the average particle size of the nanoclay present is from 0.1 to 1000 μm , preferably from 0.1 to 100 μm , particularly preferably from 1 to 15 μm , and very particularly preferably from 2 to 10 μm .
3. The composition as claimed in claim 1 or 2, characterized in that the nanoclay present encompasses ground nanoclay.
4. The composition as claimed in any of claims 1 to 3, characterized in that the inorganic layered material has been selected from naturally occurring or synthetic phyllosilicates.
5. The composition as claimed in any of the preceding claims, characterized in that the non-anionic organic component encompasses at least one non-anionic fatty acid derivative, in particular selected from the group of the derivatives of the saturated or unsaturated fatty acids, and of the polymer fatty acids, particularly preferably from the group of the fatty alcohols, fatty amines, triglyceride esters, alkyl esters of fatty acids, and waxes.
6. The composition as claimed in any of the preceding

claims, characterized in that the non-anionic organic component has at least one aliphatic or cyclic radical having from 8 to 22 carbon atoms, in particular from 10 to 18 carbon atoms.

7. The composition as claimed in any of the preceding claims, characterized in that the fatty acid derivative derives from fatty acids having from 10 to 30 carbon atoms.
8. The composition as claimed in any of the preceding claims, characterized in that the fatty acid derivative has been selected from hydrogenated derivatives, alcohol derivatives, amine derivatives, or their mixtures.
9. The composition as claimed in any of the preceding claims, characterized in that the fatty acid derivatives derive from the group of the polymeric fatty acids, of the keto fatty acids, of the fatty acid alkyloxazolines and fatty acid alkylbisoxazolines, or their mixtures.
10. The composition as claimed in any of the preceding claims, characterized in that the siloxane component has been selected from the group of the oligomeric or the polymeric siloxanes and, respectively, siloxane derivatives, in particular composed of oligoalkylsiloxanes, of polydialkylsiloxanes, of polyalkylarylsiloxanes, of polydiarylsiloxanes, or their mixtures.
11. The composition as claimed in any of the preceding claims, characterized in that the siloxane component has been selected from siloxane derivatives functionalized by at least one reactive group.
12. The composition as claimed in any of the preceding

claims, characterized in that the additive or the additive mixture also comprises at least one other component, in particular for improvement of flowability during processing in a polymer, preferably a component from the group of the ethylene-propylene copolymers (EPM), the ethylene-propylene terpolymers (EPDM), the thermoplastic elastomers, the coupling agents, the crosslinking agents, or mixtures of these.

13. The composition as claimed in claim 12, characterized by an average molecular weight of EPM and/or EPDM of less than 20 000.
14. The composition as claimed in claim 12 or 13, characterized by an ethylene:propylene ratio of from 40:60 to 60:40 in EPM and/or EPDM.
15. The composition in the form of a substantially homogeneous mixture of the pre-exfoliated nanoclay as claimed in any of claims 1 to 14 with a polymer powder.
16. A polymer-containing composition, in particular a polymer masterbatch, which has been obtained via compounding of the composition as claimed in any of claims 1 to 15 with a predetermined carrier polymer.
17. The polymer-containing composition as claimed in claim 16, characterized in that the predetermined carrier polymer has been selected from polyethylene-ethylene-vinyl acetate copolymer (EVA), ethylene-ethyl acrylate copolymer (EEA), ethylene-methyl acrylate copolymer (EMA), ethylene-butyl acrylate copolymer (EBA), their maleic-anhydride-(MAH)-modified derivatives, ionomers, styrene-elastomer systems, ether-ester block copolymers, polyether-polyamide block

copolymers (PEBA), mixtures of thermoplastic polymers, thermoplastic polyurethane elastomers, thermoplastic silicone rubber, or from their mixtures.

18. The polymer-containing composition as claimed in claim 16 or 17, characterized by a proportion of the carrier polymer of from 10 to 90%, preferably from 40 to 70%.
19. The polymer-containing composition as claimed in any of claims 16 to 18 in pellet form.
20. The use of the composition as claimed in any of claims 1 to 15 or of the polymer-containing composition as claimed in any of claims 16 to 19 as filler in polymers or polymer compositions.
21. The use of the composition as claimed in any of claims 1 to 15 or of the polymer-containing composition as claimed in any of claims 16 to 19 in filler systems for polymers or polymer compositions.
22. The use as claimed in claim 21 in combination with a flame-retardant halogen-containing or halogen-free filler.
23. The use as claimed in claim 22, characterized by a halogen-free filler.
24. The use as claimed in claim 23, characterized in that the halogen-free flame-retardant filler has been selected from aluminum hydroxide, aluminum oxide hydrate (boehmite), magnesium hydroxide, magnesium oxide, brucite, magnesium carbonate, hydromagnesite, huntite, bauxite, calcium carbonate, talc, glass powder, melamine isocyanurates, their derivatives and preparations,

borates, stannates, and hydroxystannates, phosphates, or their mixtures.

25. The use as claimed in claim 20 as filler in polyolefins and their mixtures, in engineering plastics and their mixtures, and also alloys.
26. The use as claimed in claim 20 or 21 for elastomers and thermosets.
27. The use as claimed in any of claims 20 to 26, characterized by a pre-exfoliated nanoclay content of from 0.1 to 50% by weight, preferably from 0.1 to 15% by weight, in the finished polymer or in the polymer composition.